

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: DULLIEN et al

Serial No.:

Filed: January 21, 2000

For: Process And Device For Eliminating The Particles Contained
In A Stream Of Fluid

Group: 1724

Examiner: Bushey, C.

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

June 4, 2001

Sir:

Prior to examination on the merits of this application and prior to calculation of the filing fee, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 1, before the paragraph beginning at line 1, insert:

--This is a divisional application of US Serial No. 09/488,834, filed January 21, 2000, which is a divisional application of US Serial No. 08/727,641, filed March 27, 1997 (now US Patent No. 6,063,165), which is a continuation of application Serial No. 08/406,393, filed March 20, 1995 (now abandoned), which is a continuation-in-part of application Serial No. 08/290,883, filed September 13, 1994 (now abandoned).

IN THE CLAIMS:

Please cancel claims 5 and 6 without prejudice or disclaimer of the subject matter contained therein.

Please amend the claims as follows:

1. (Amended) Device for eliminating the particles contained in a stream of fluid comprising a container (10) with a passage for the fluid stream in turbulent flow and a plurality of objects oriented transversely relative to the direction of flow, said objects having edges communicating with the stream of fluid and defining between them at least one stagnant space where the particles are recovered; characterized in that the objects are comprised of a fibrous pad, a fibrous mat, or a fibrous fabric disposed along the gas stream such that the pads, fabrics, or fibers furnish additional edges for catching particles.

10. (Amended) Device according to Claim 1, characterized in that said flow channel is tubular.

12. (Amended) Device according to Claim 1, characterized in that said flow channel has a spiral shape.

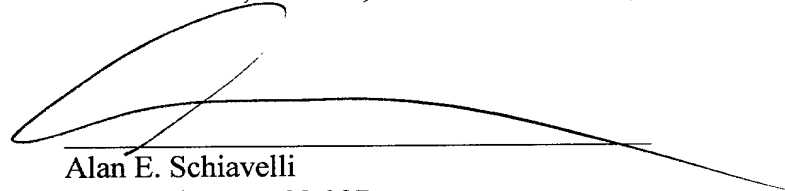
REMARKS

The foregoing amendments are respectfully requested prior to examination on the merits of this application.

To the extent necessary, applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 612.34893VV3), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



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1. (Amended) Device for eliminating the particles contained in a stream of fluid comprising a container (10) with a passage for the fluid stream in turbulent flow and a plurality of objects oriented transversely relative to the direction of flow, said objects having edges communicating with the stream of fluid and defining between them at least one stagnant space where the particles are recovered; characterized in that

(a) ~~the objects are plates provided with slots that extend inward from said edges;~~

(b) ~~or the objects are pleated elements such that each side of the pleats is in contact with the stream of fluid;~~

(c) ~~or the objects are comprised of a fibrous pad, a fibrous mat, or a fibrous fabric disposed along the gas stream;~~

~~such that the slots, edges of the two sides of the pleated elements, or pads, fabrics, or fibers furnish additional edges for catching particles.~~

10. (Amended) Device according to Claim 9 1, characterized in that said flow channel is tubular.

12. (Amended) Device according to Claim 9 1, characterized in that said flow channel has a spiral shape.